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Title: **JP61100041A2: CSMA COMMUNICATION SYSTEM**

Derwent Title: Carrier search multiple access communication system - sends packet after confirmation of transmission channel vacant eliminating necessity for collision search NoAbstract Dwg 0/3 [Derwent Record]

Country: **JP** Japan

Kind: **A** (See also: JP06030499B4)

Inventor: **YAMADA KUNIHIRO**;

Assignee: **RICOH CO LTD**
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Application Number: **JP1984000221274**

IPC Code: IPC-7: H04L 11/00;

Priority Number: 1984-10-23 **JP1984000221274**

Abstract: PURPOSE: To eliminate the need for detection of collision by transmitting a packet after it is confirmed that a carrier does not exist on a common transmission line over a time being a maximum reciprocating propagation delay time or over in the common transmission line.
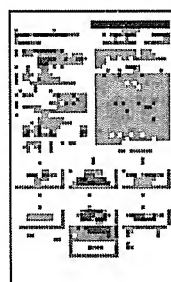   CONSTITUTION: In transmitting a data from a node A to a node B of plural taps 14 of a coaxial cable 12 terminated with a termination resistor 10, when the absence of a carrier is confirmed for basic waiting time $tw > 2\tau$ (maximum reciprocating propagation delay time), the packet reaches the node B at points of time 1b, 2b with a delay of τ. When the node B receives this packet, a reception acknowledgement signal ACK is returned immediately to the node A at points of times 3b, 4b, then the 2nd long packet is transmitted immediately at points of time 5a, 6a and the node B receives the 2nd packet at points of time 5b, 6b. The node B returns immediately the signal ACK at points of time 7a, 8a. The node A receives the signal ACK at points of time 7b, 8b without collision.
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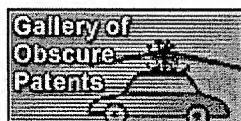**INPADOC Legal Status:** None   **Get Now:** Family Legal Status Report

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